

# Exploring the Potential of AI to Augment Thinking Within and In-between Meetings

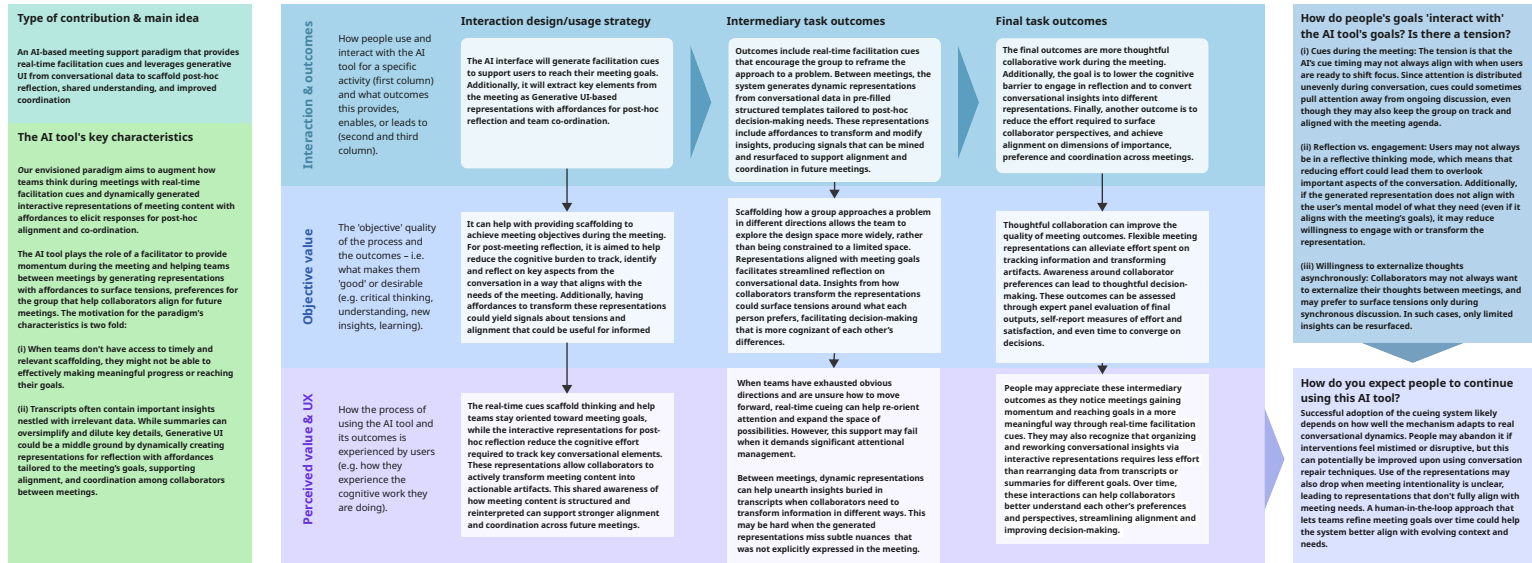
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Main theme(s): design strategy

Target domain(s): collaboration, meeting support, creativity, future of work

Cognitive target(s):

reasoning, critical thinking, reflection, exploration, planning, decision-making



## Key references (e.g. of main theories, empirical evidence, measurement methods etc.)

- [1] Ava Elizabeth Scott, Lev Tankelevitch, Payod Panda, Rishi Vanukuru, Xinyue Chen, and Sean Rintel. What does success look like? catalyzing meeting intentionality with AI-assisted prospective reflection. In Proceedings of the 4th Annual Symposium on Human-Computer Interaction for Work, CHIWORK '25, New York, NY, USA, 2025. Association for Computing Machinery.
- [2] Stephen Viller. The group facilitator: a csaw perspective. In Proceedings of the Second European Conference on Computer-Supported Cooperative Work ECSCW'91, pages 81–95. Springer, 1991.
- [3] Sumit Kishana, Sagi Hileli, Pengcheng He, and Aaron Halpern. Summaries, highlights, and action items: Design, implementation and evaluation of an llm-powered and meeting recap system. Proceedings of the ACM on Human-Computer Interaction, 9(2):1–29, 2025.
- [4] Rishi Vanukuru, Payod Panda, Xinyue Chen, Ava Elizabeth Scott, Lev Tankelevitch, and Sean Rintel. 2025. Designing Interfaces that Support Temporal Work Across Meetings with Generative AI. In Proceedings of the 2025 ACM Designing Interactive Systems Conference (DIS '25), Association for Computing Machinery, New York, NY, USA, 3600–3620. <https://doi.org/10.1145/2913338.2913433>
- [5] Dow, S., Fortuna, J., Schwartz, D., Altringer, B., Schwartz, D., & Klemmer, S. (2011, May). Prototyping dynamics: sharing multiple designs improves exploration, group rapport, and results. In Proceedings of the SIGCHI conference on human factors in computing systems (pp. 2807-2816).

## How to proceed with this work/idea?

I plan to compare different meeting scenarios and try their corresponding Generative UI representations against transcripts and summaries. This will help identify frictions in adopting these representations and clarify when transcripts, summaries, or representations are preferred. I also aim to explore what kinds of coordination emerge when collaborators elicit and externalize preferences through Generative UI based representations.